

**Design, synthesis and biological evaluation of *N,N*-substituted amine derivatives as cholesteryl ester transfer protein inhibitors**

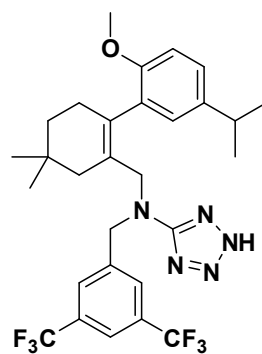
**Xinran Wang <sup>1</sup>, Lijuan Hao <sup>1</sup>, Xuanqi Xu <sup>2</sup>, Wei Li <sup>1</sup>, Chunchi Liu <sup>1</sup>, Dongmei Zhao <sup>1,\*</sup> and Maosheng Cheng <sup>1</sup>**

<sup>1</sup> Key Laboratory of Structure-Based Drug Design & Discovery of Ministry of Education, Shenyang Pharmaceutical University, shenyang 110016, China; medchemzhao@163.com

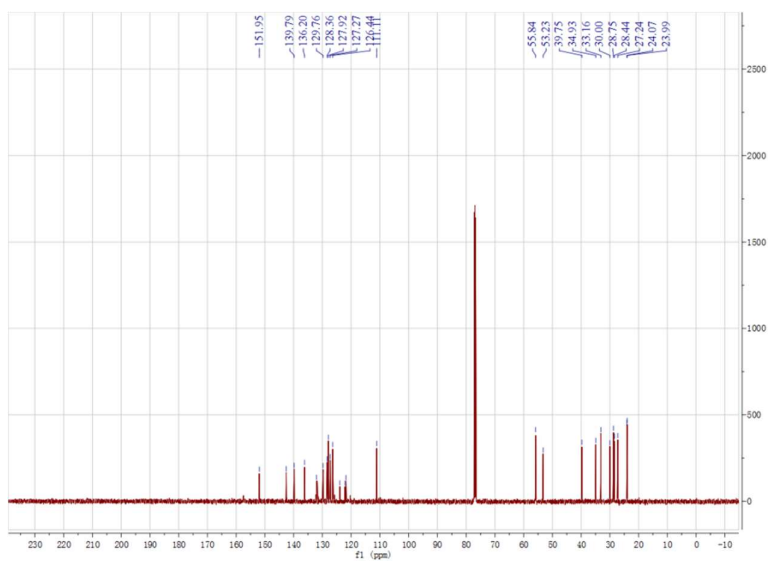
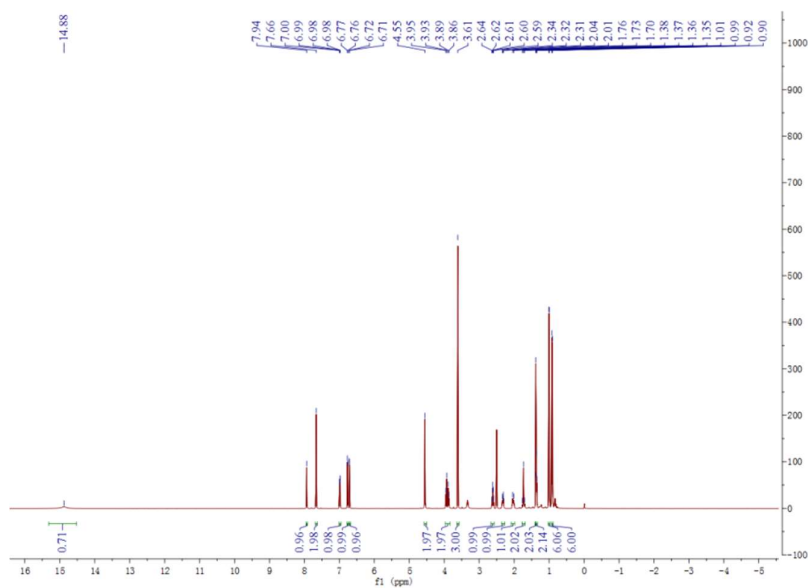
<sup>2</sup> Department of Chemistry, University of Wisconsin- Madison, Madison, WI, USA; xxu53@wisc.edu

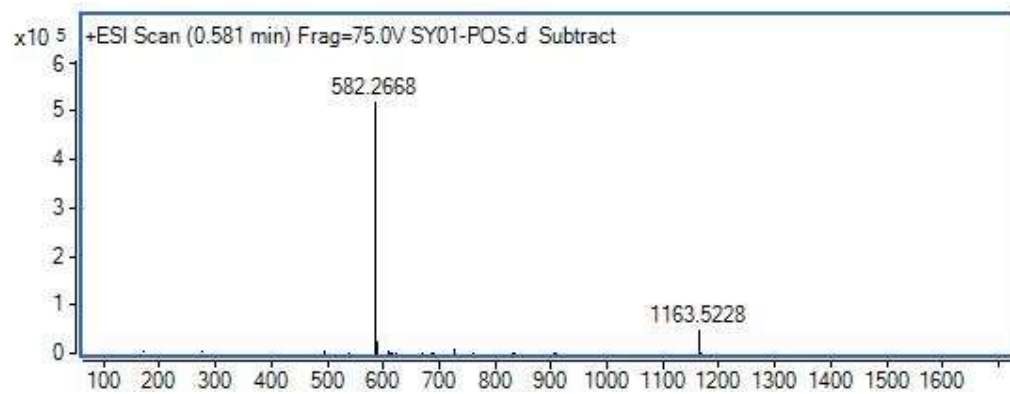
\* Correspondence: medchemzhao@163.com; Tel.: +86-24-43520219

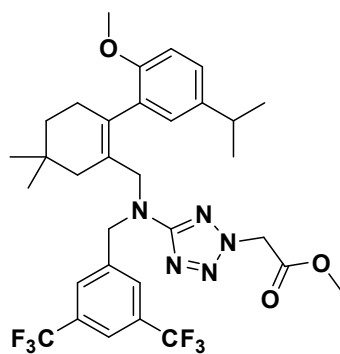
**Content: <sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS for all target compounds reported in this study.**



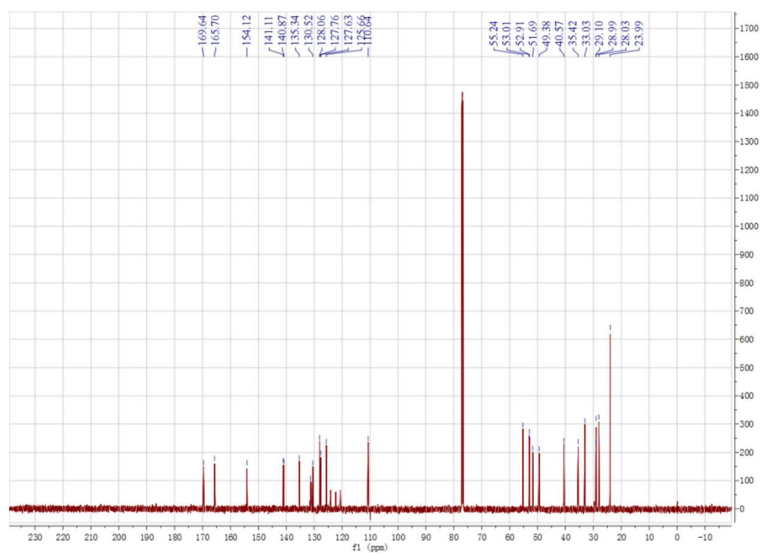
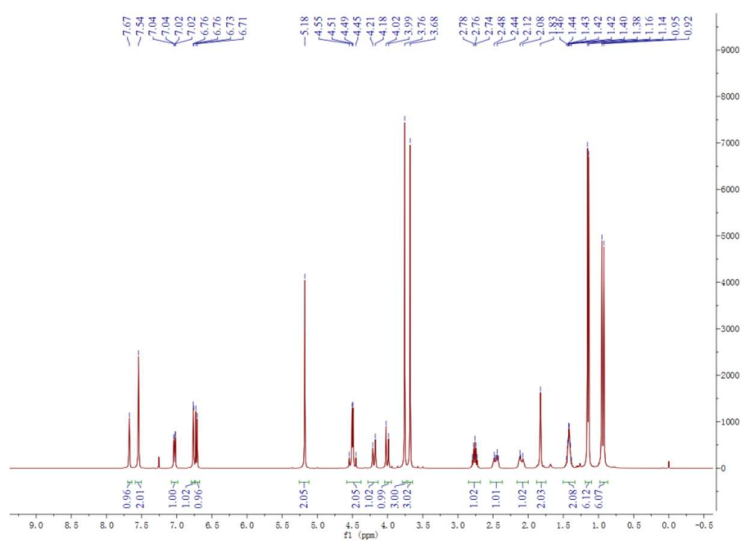
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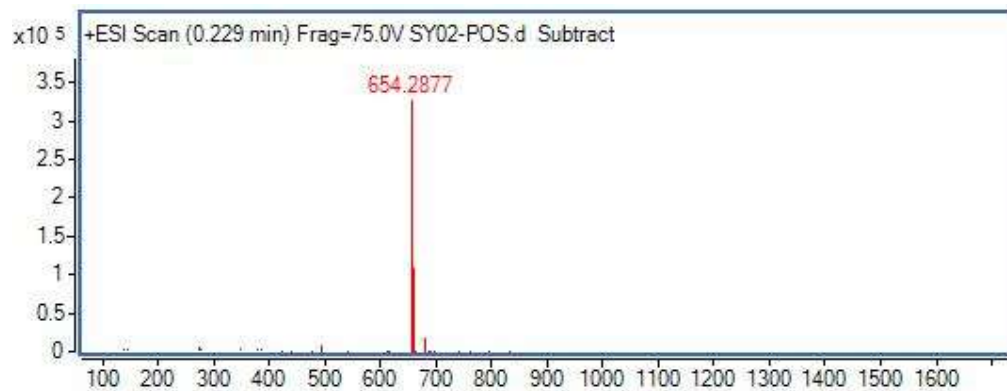


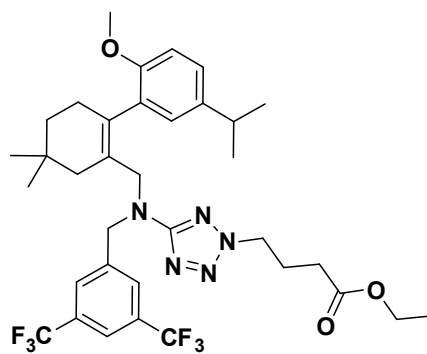




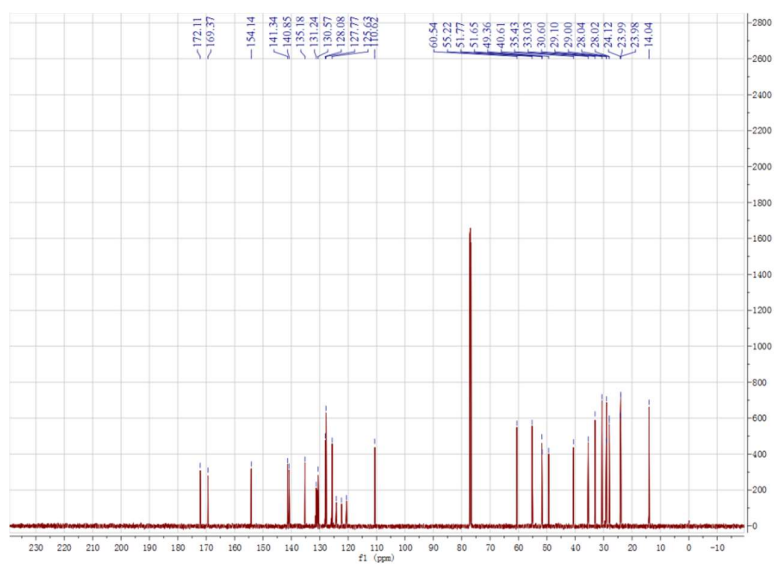
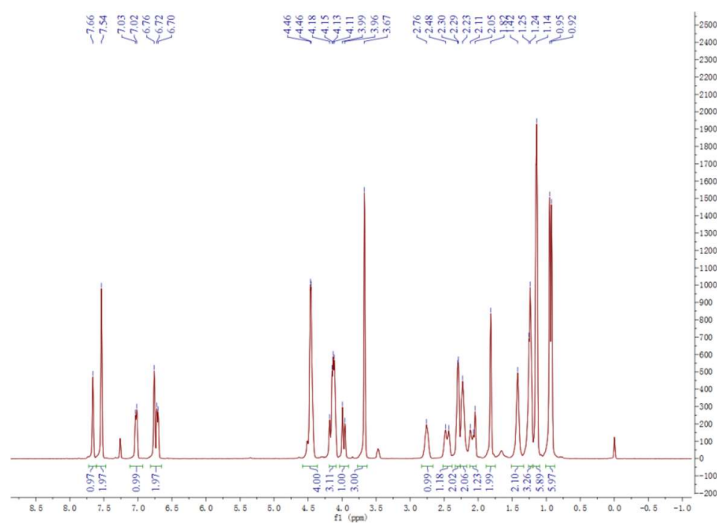
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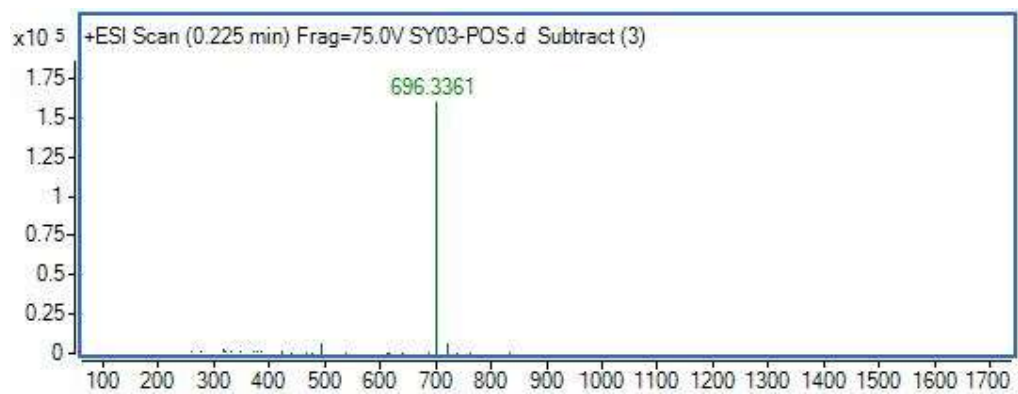


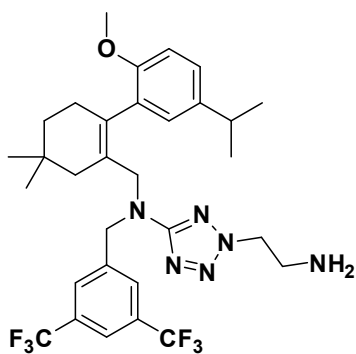




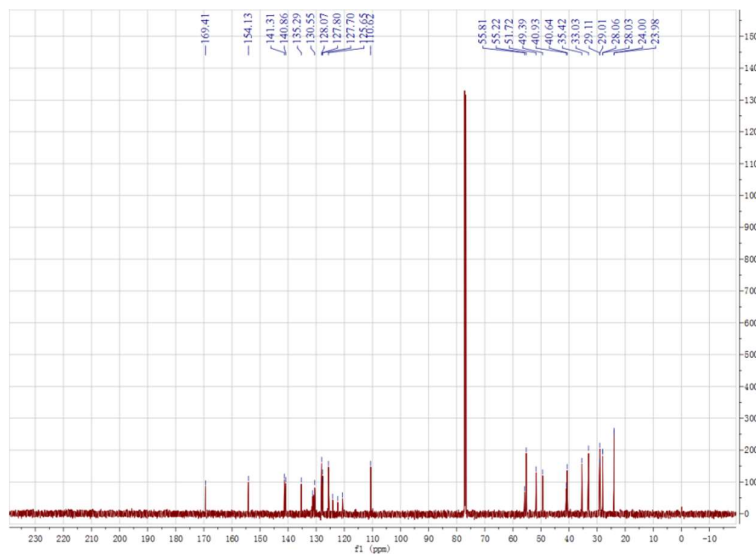
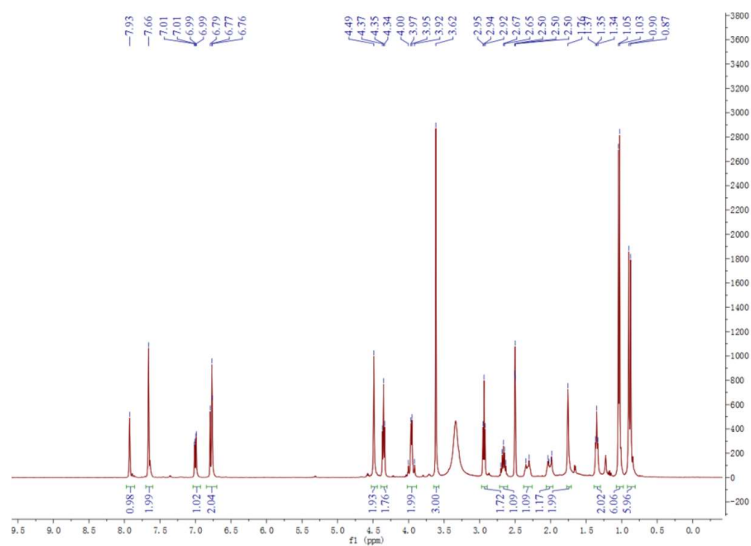
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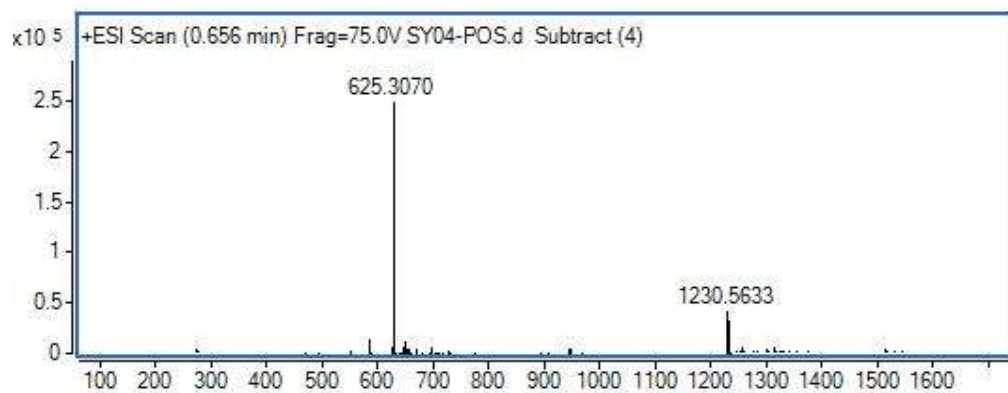


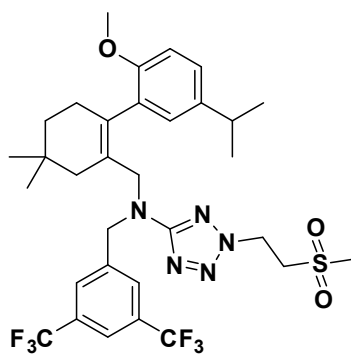


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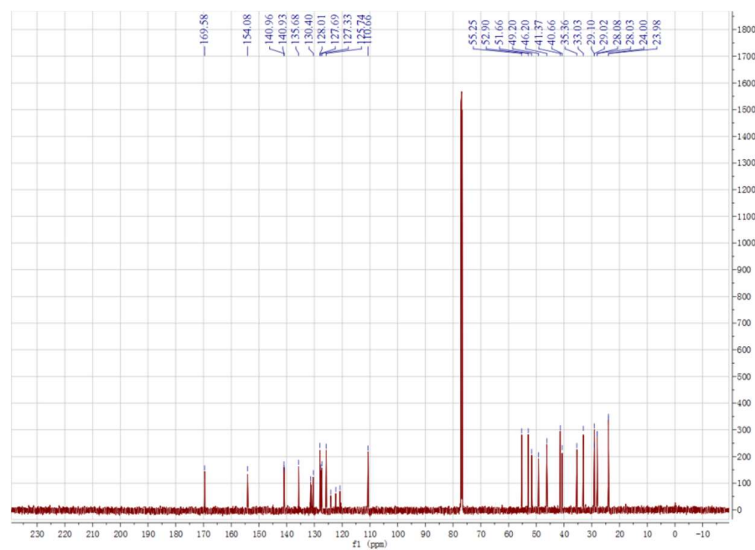
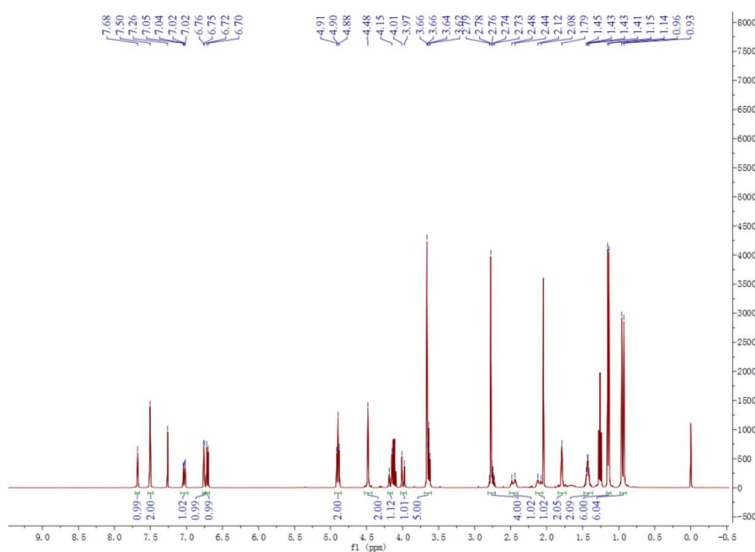


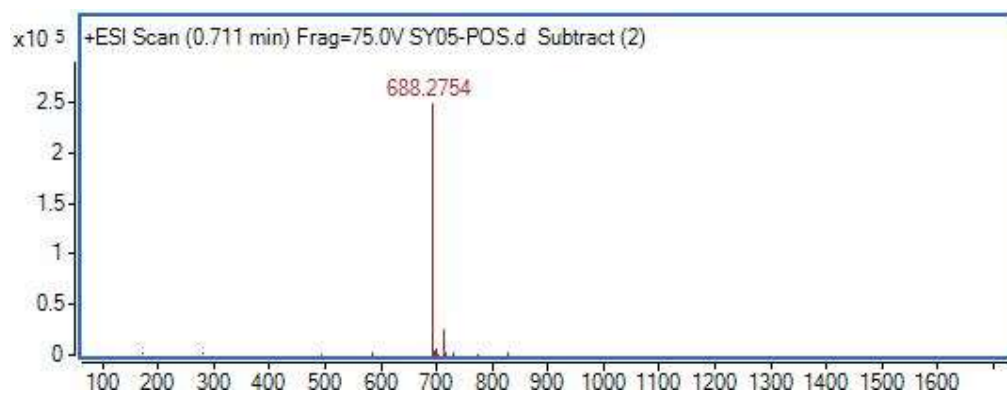


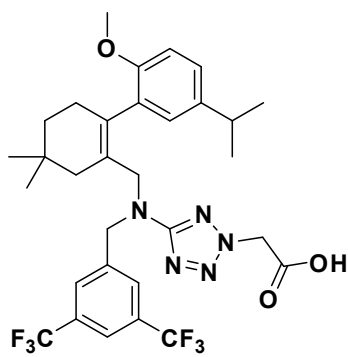




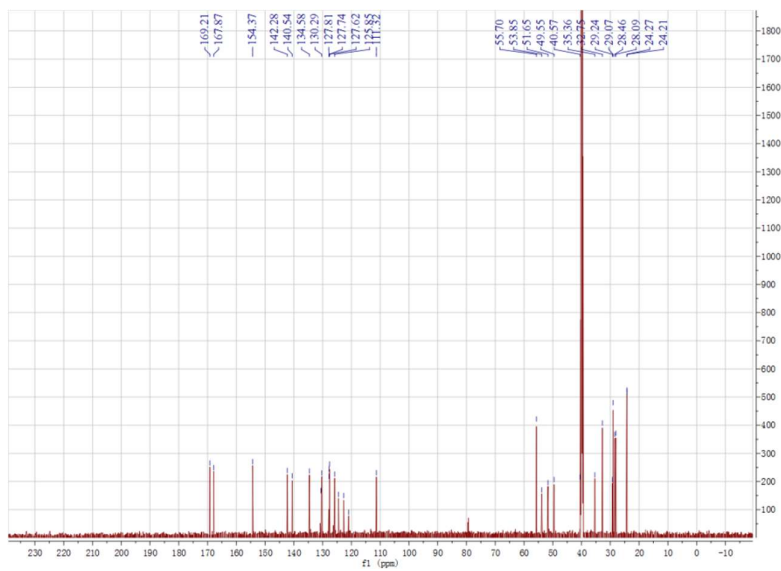
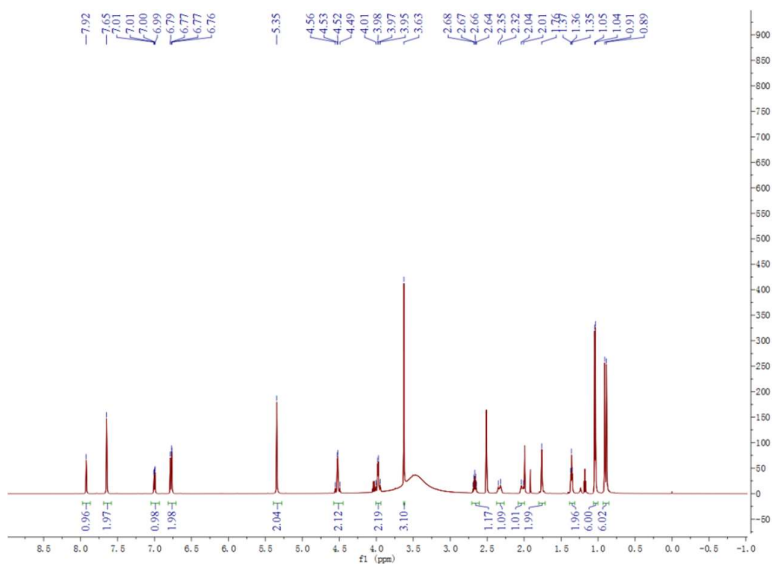
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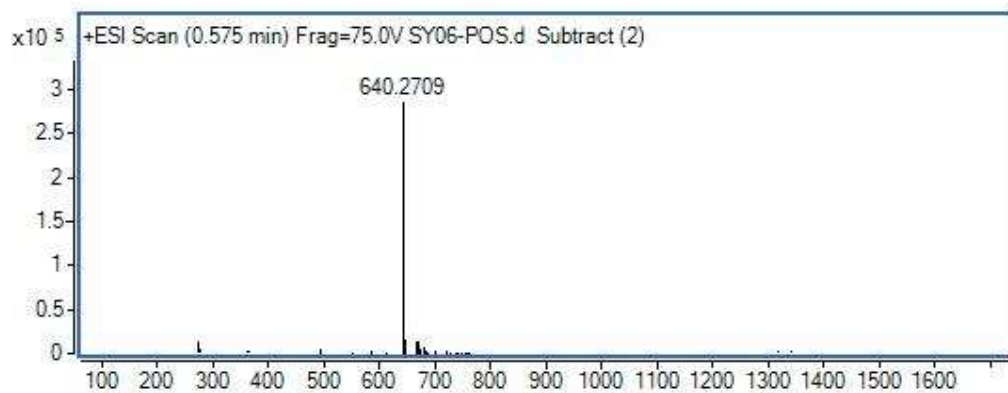


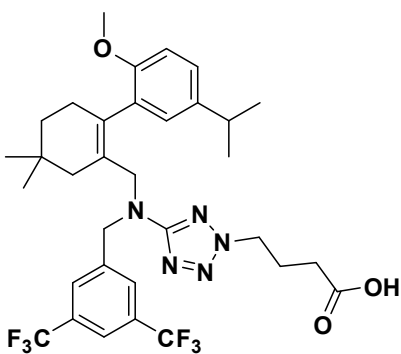




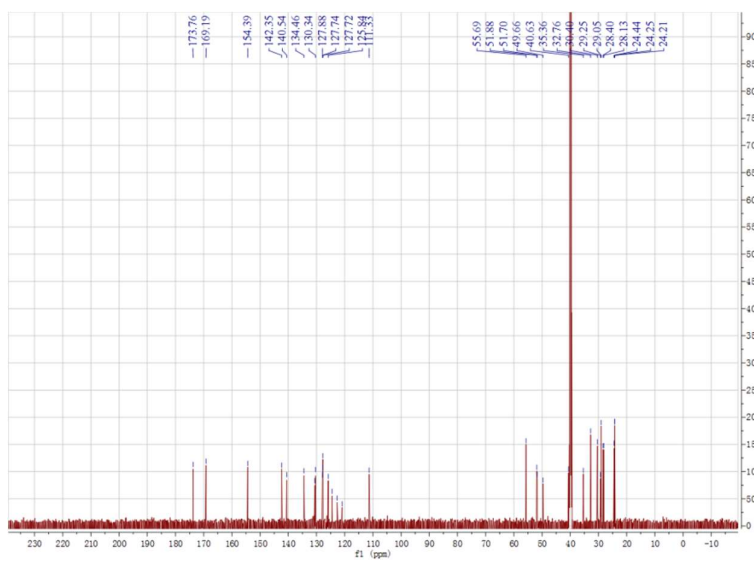
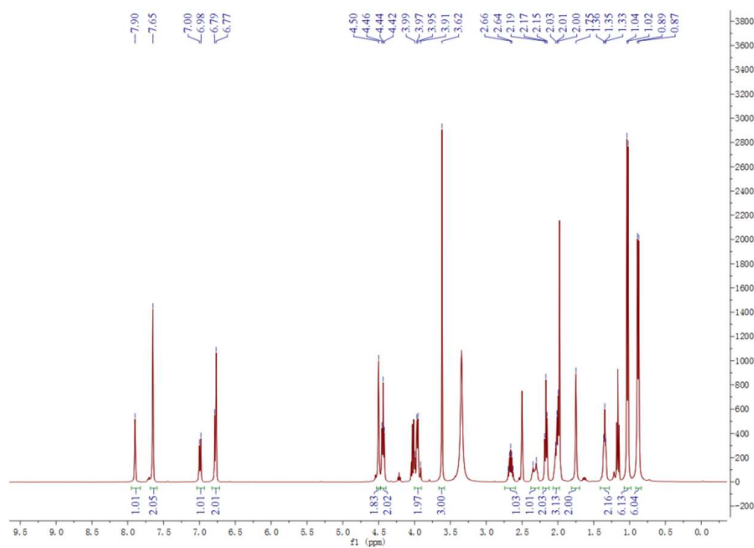
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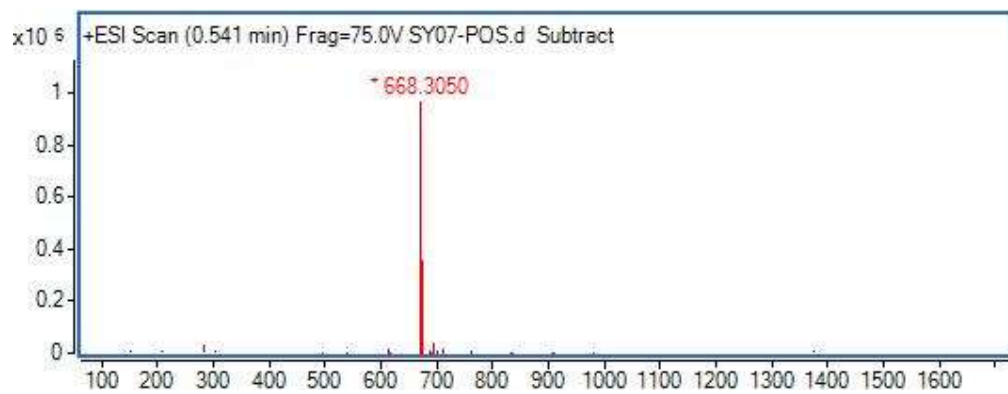


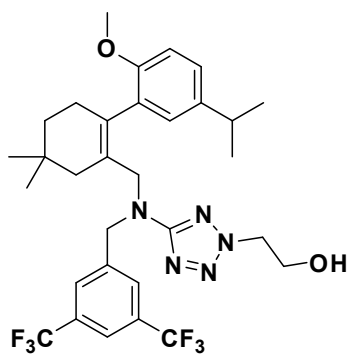




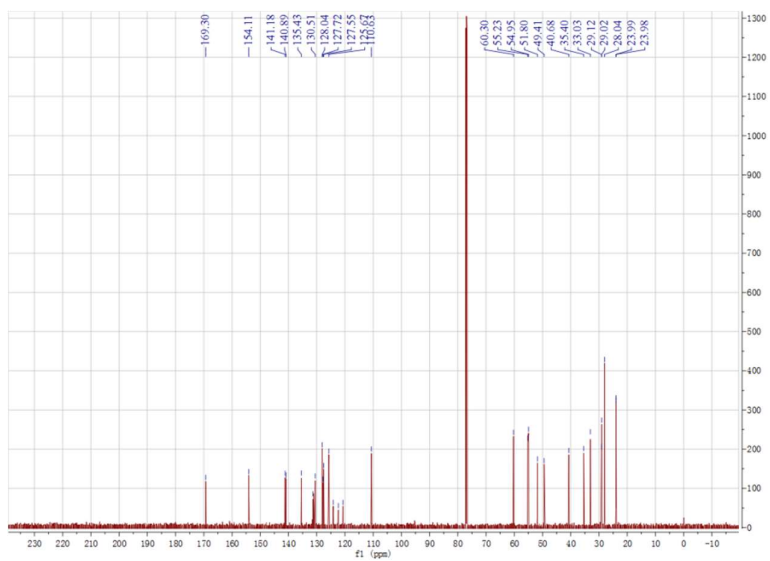
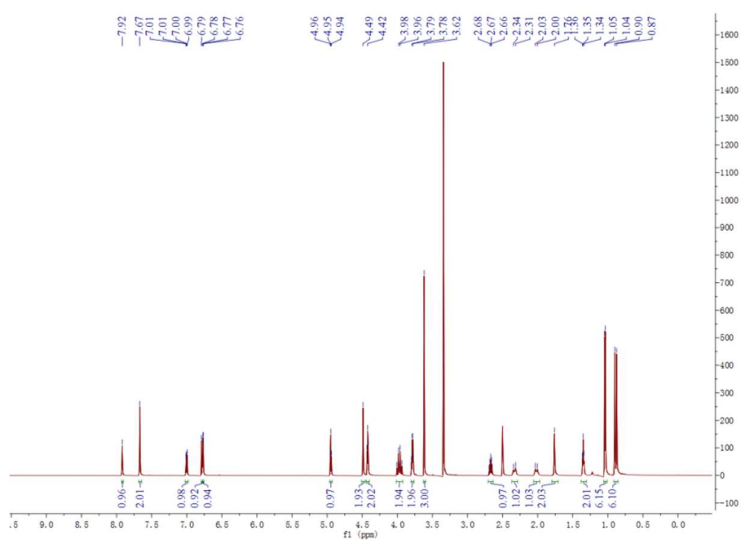
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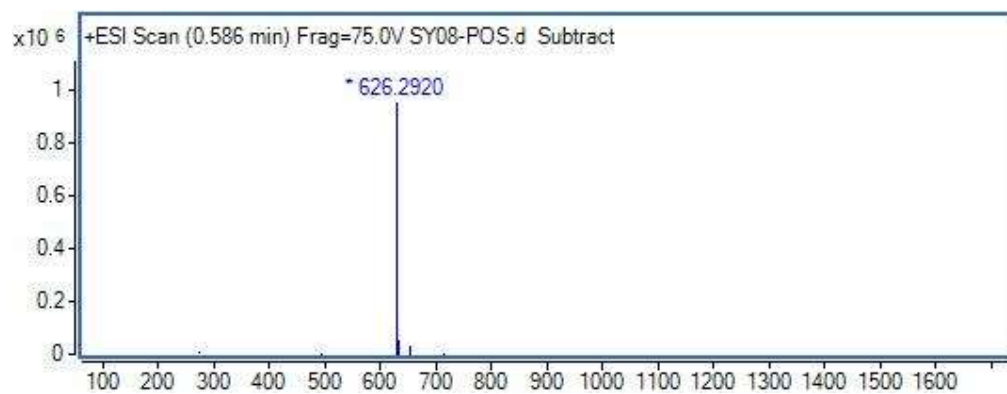


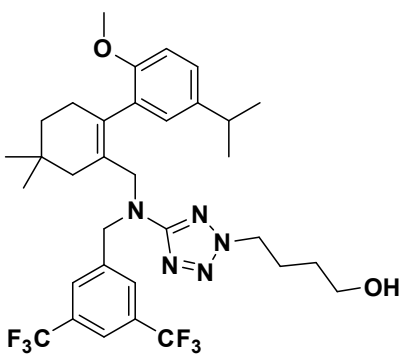


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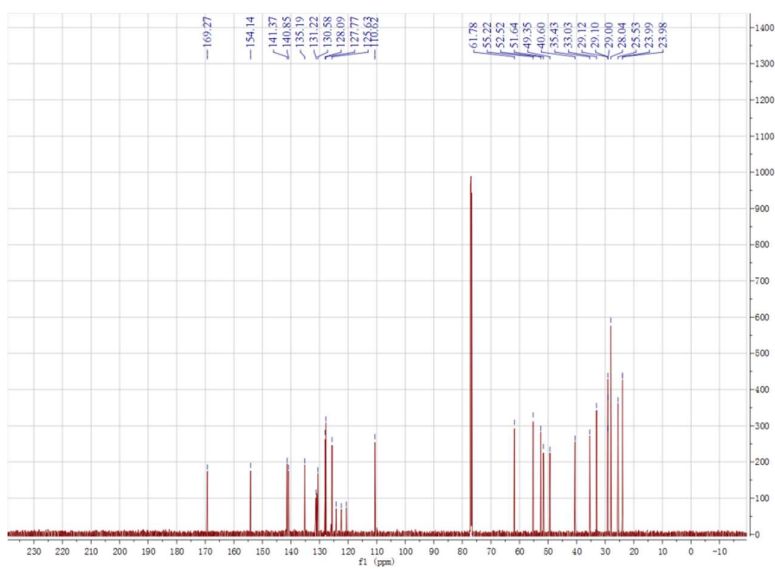
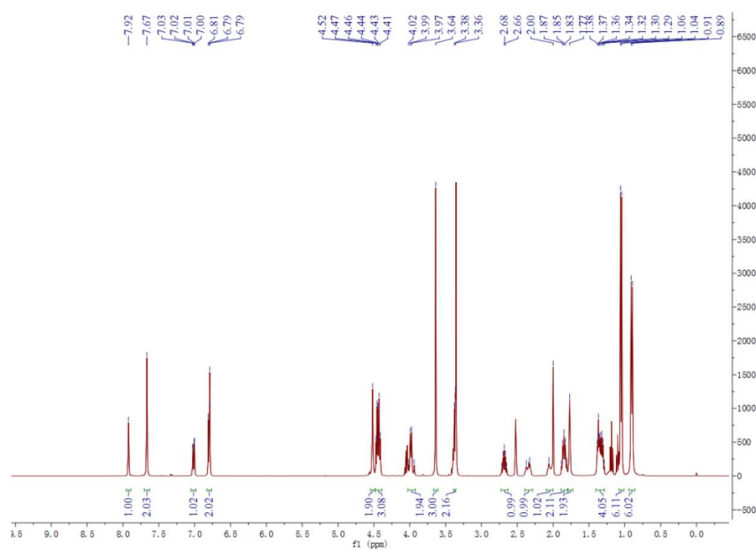


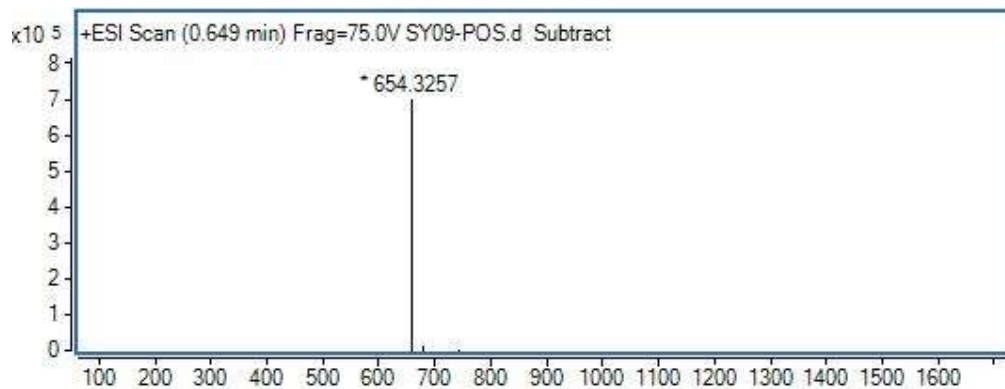


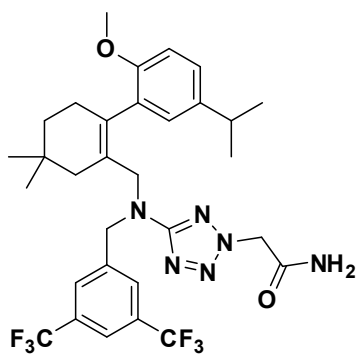




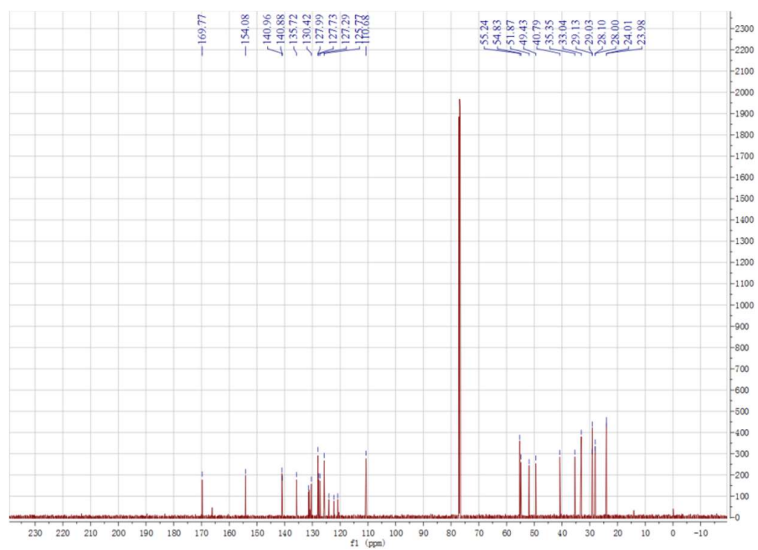
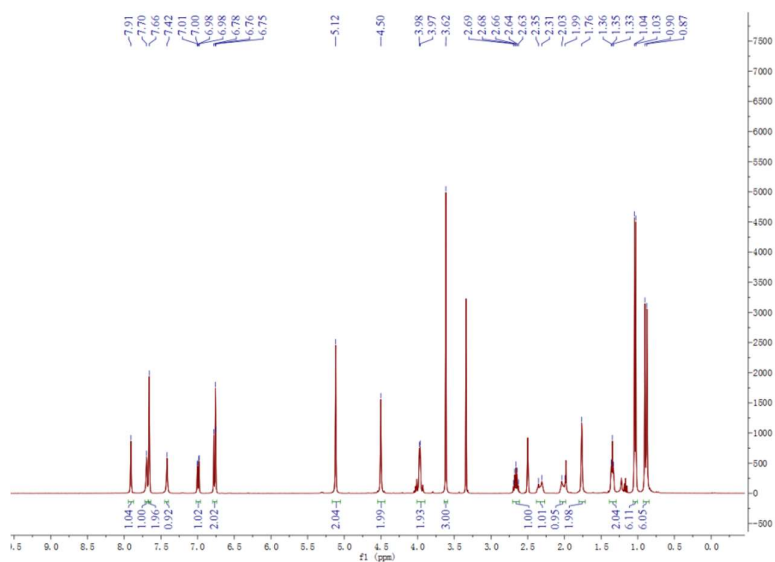
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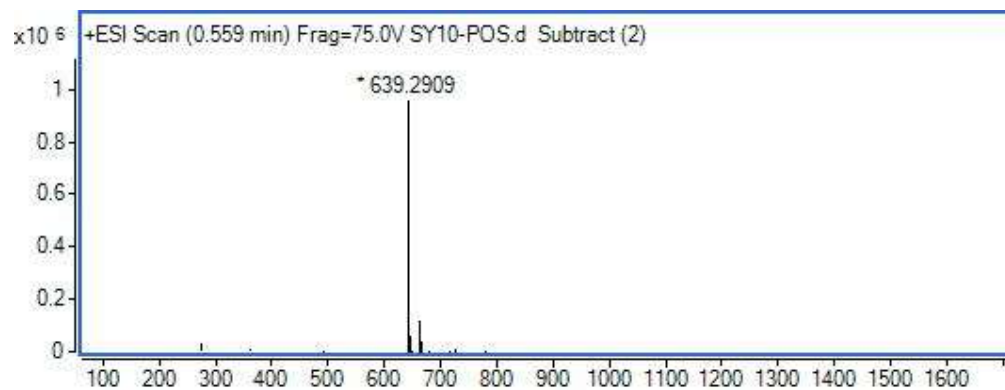


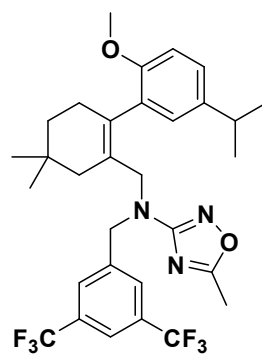




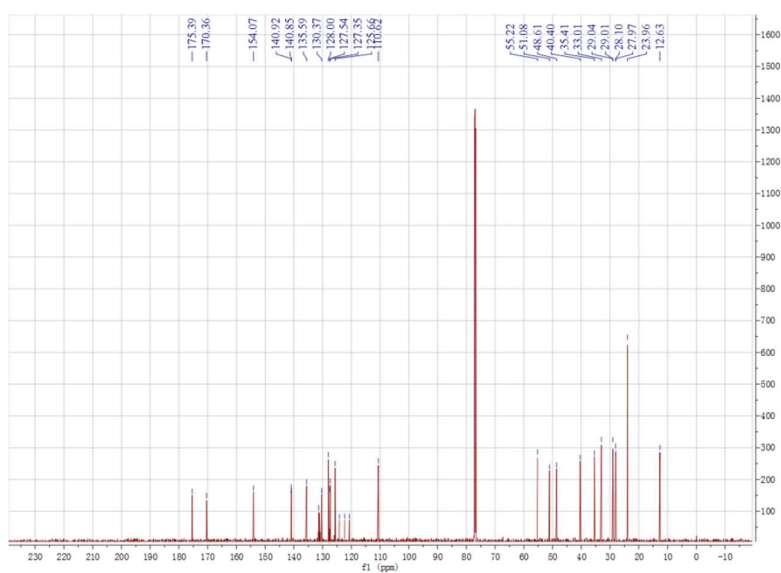
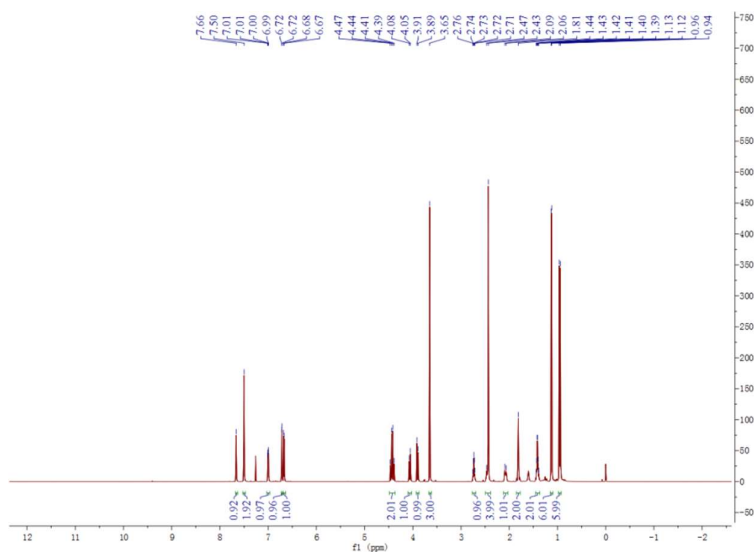
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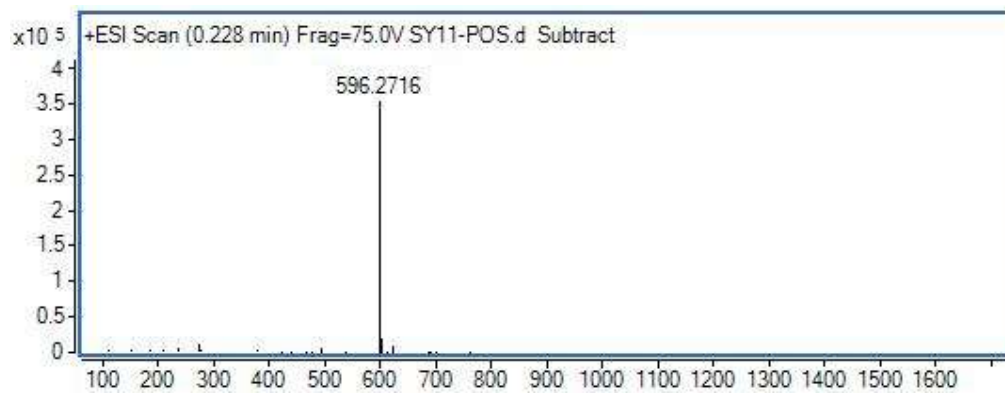


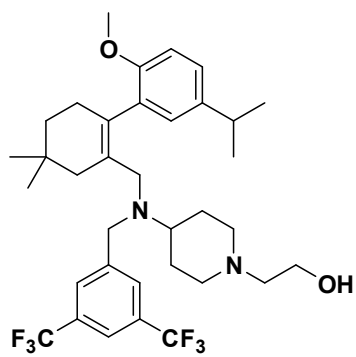




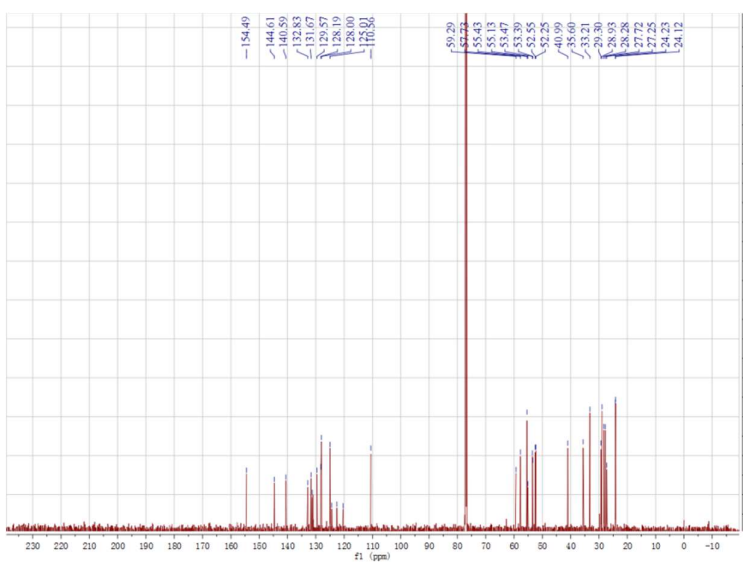
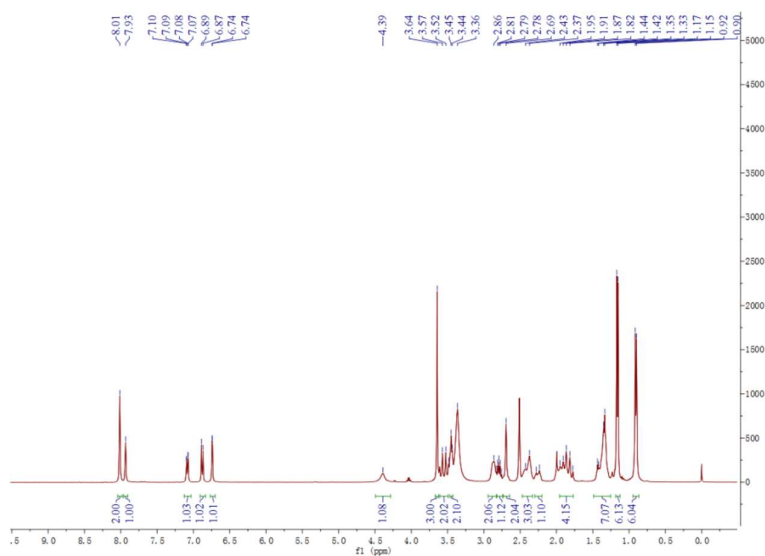
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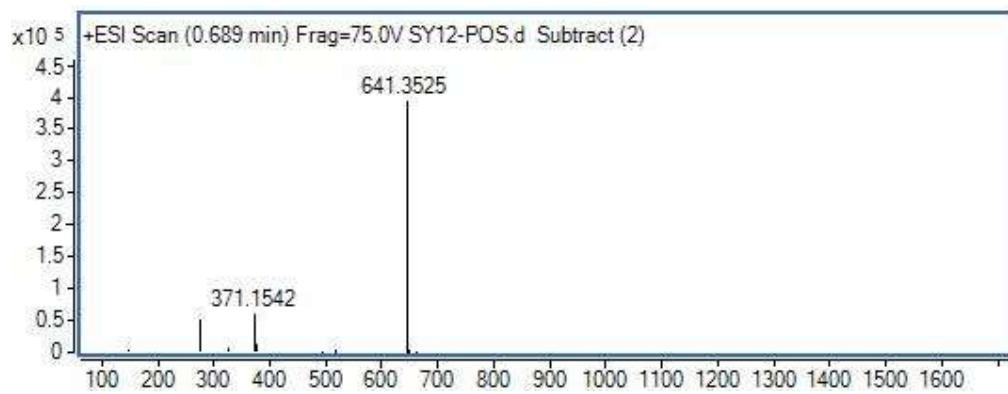


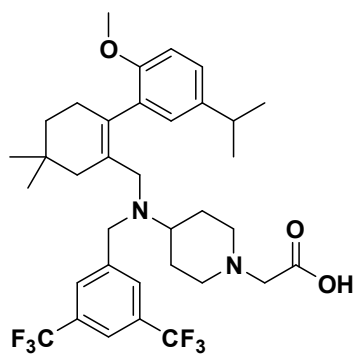


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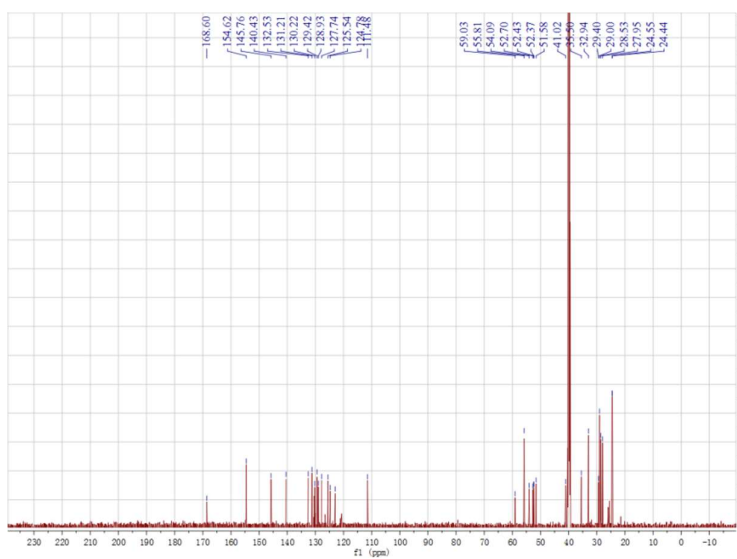
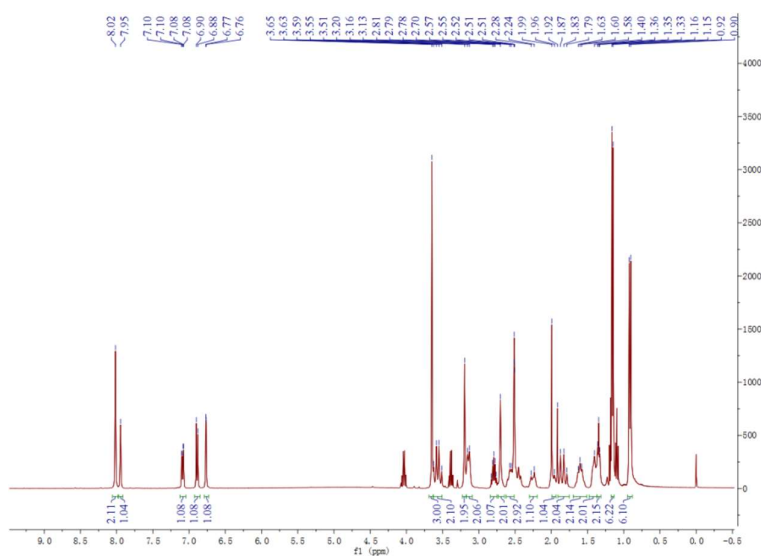


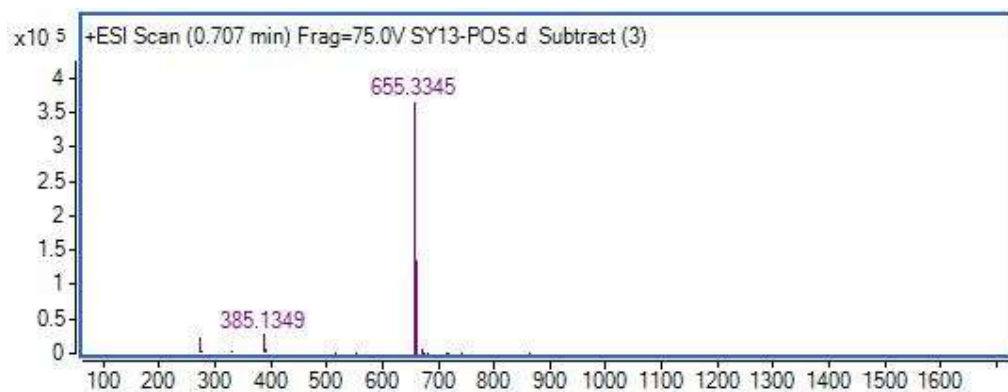


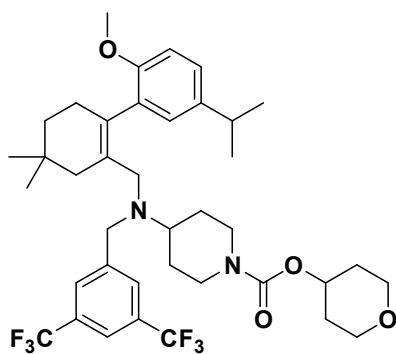




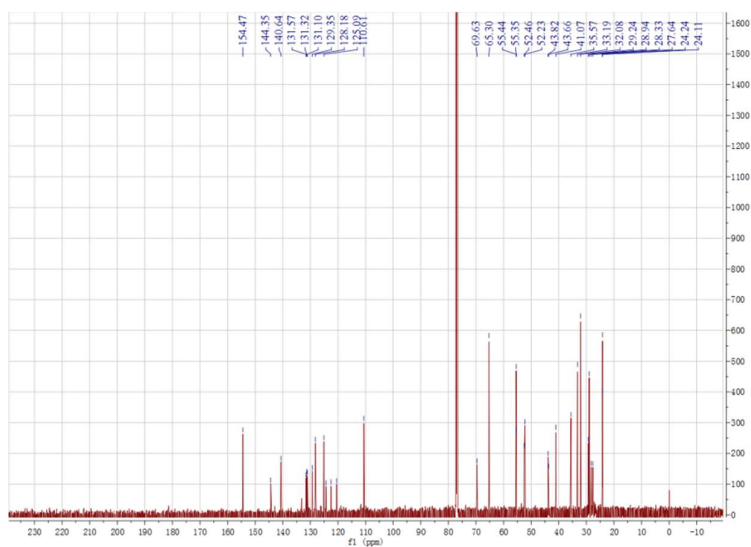
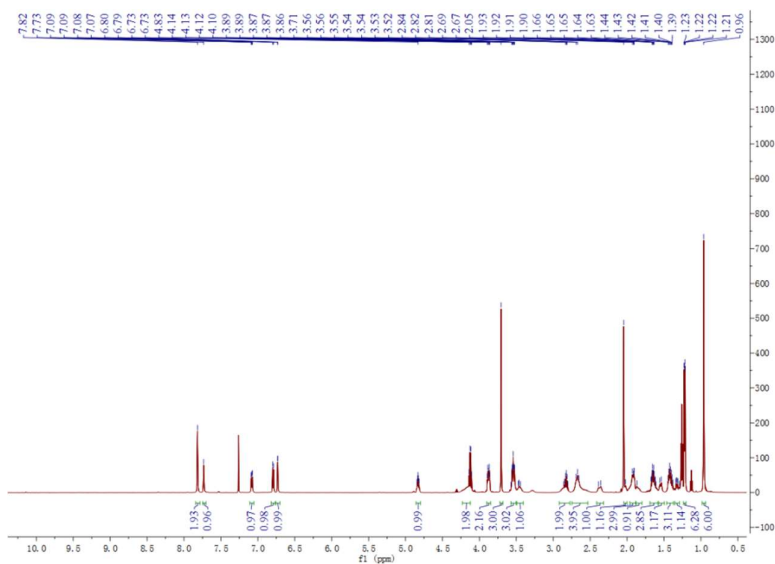
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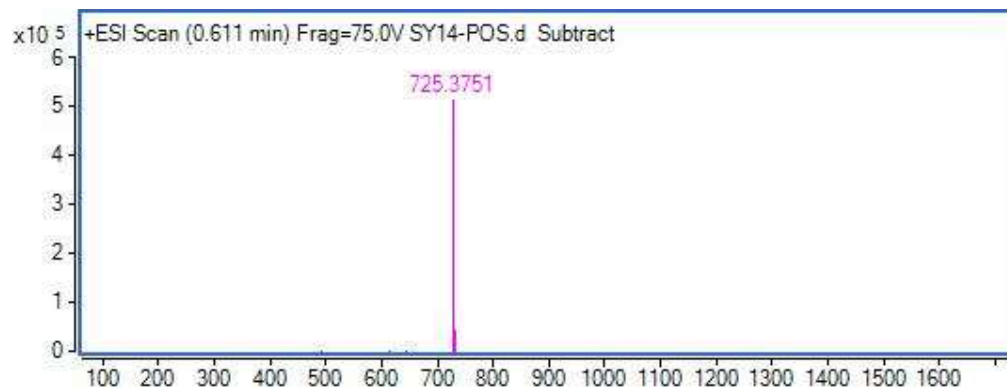


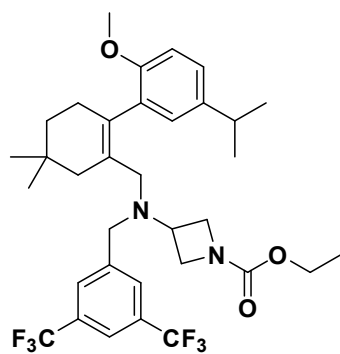




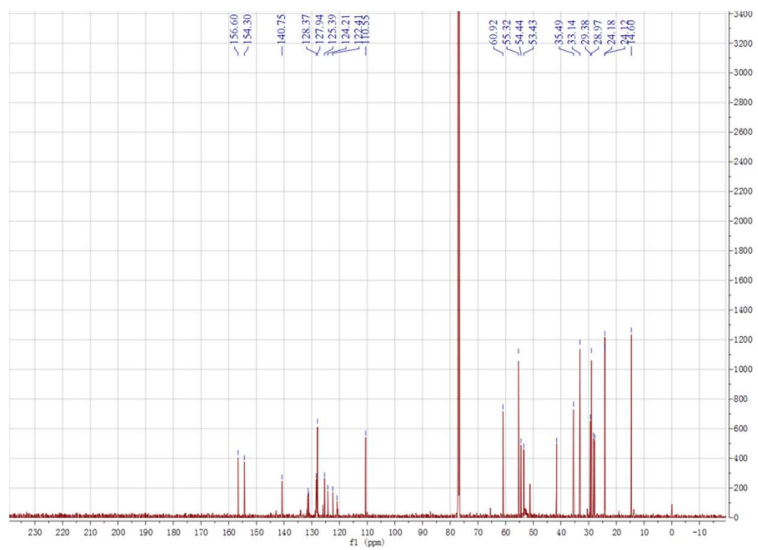
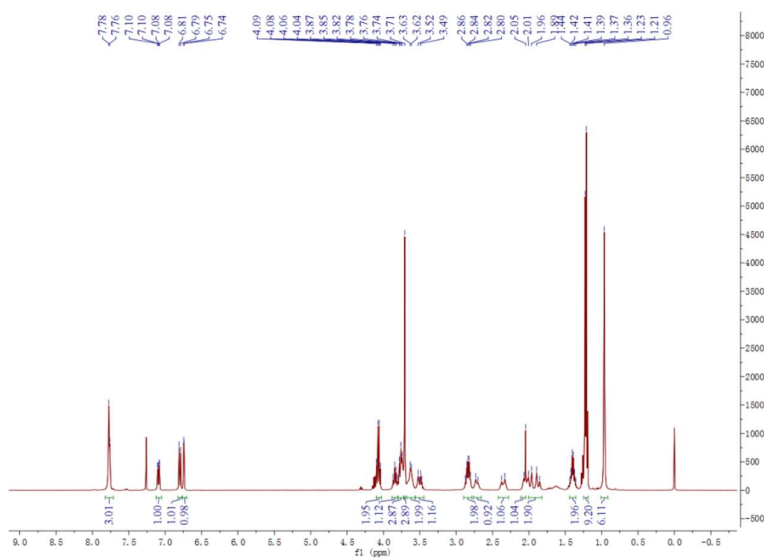
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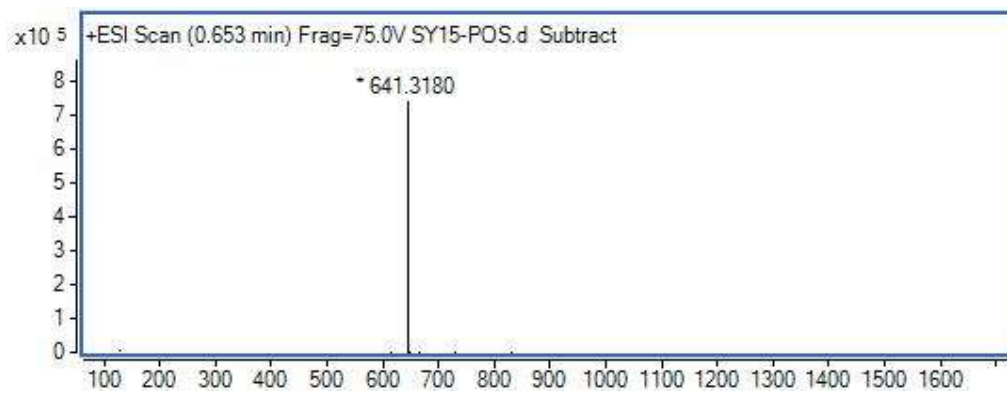


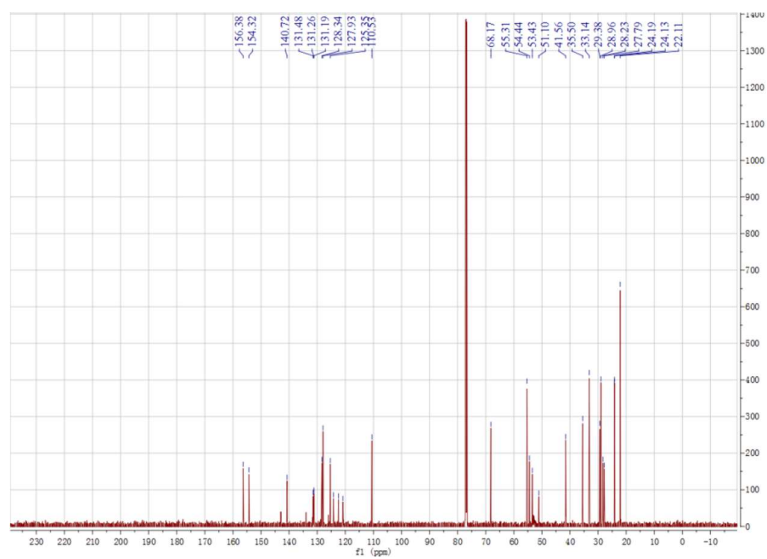
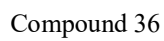




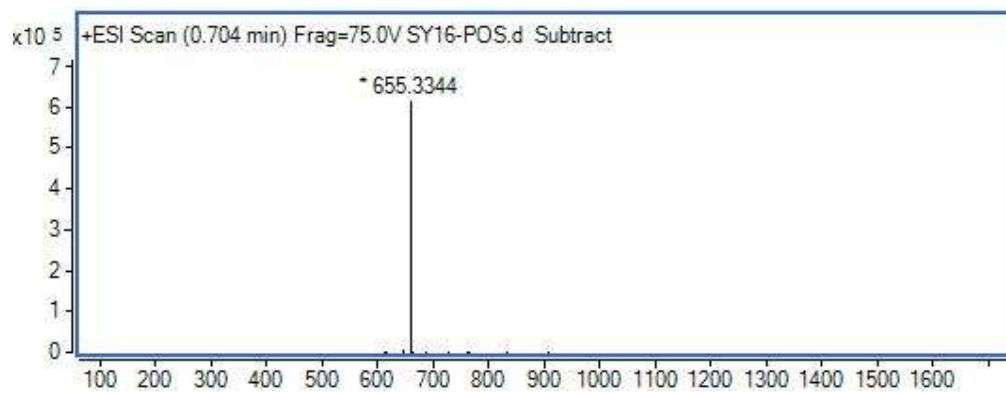
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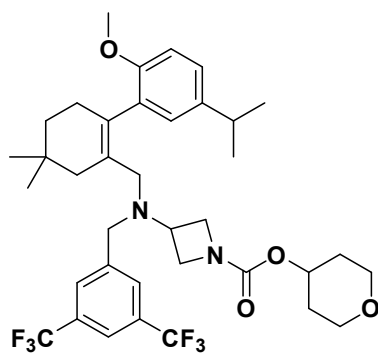




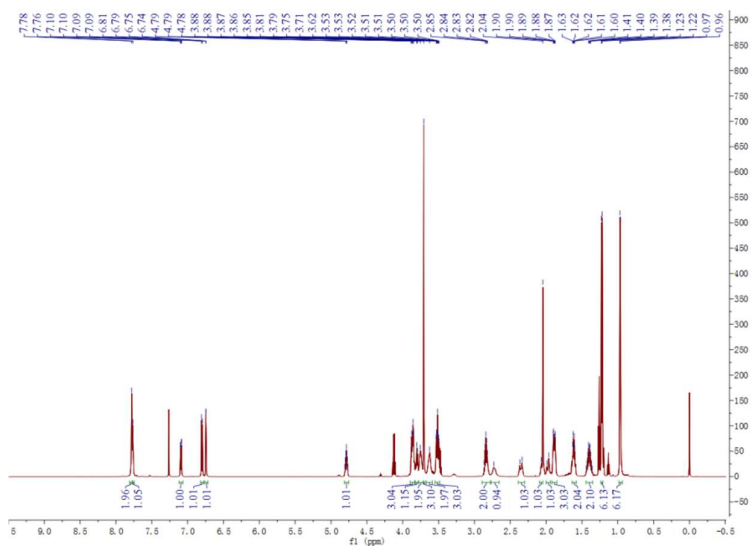


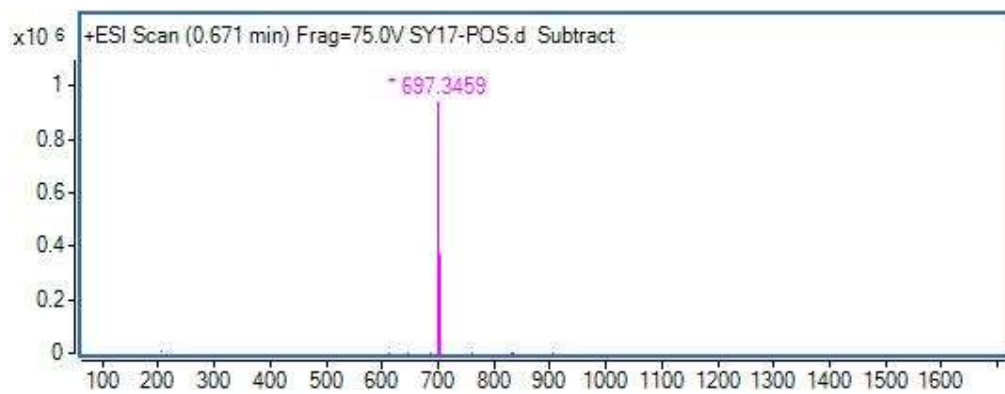


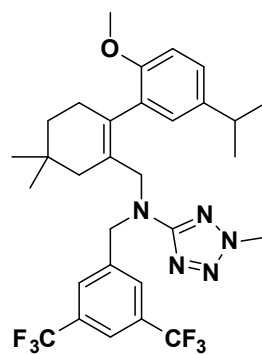




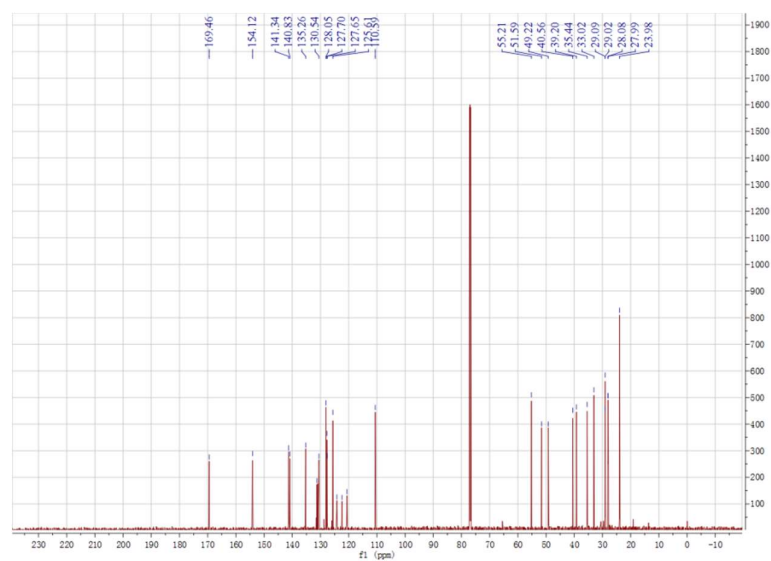
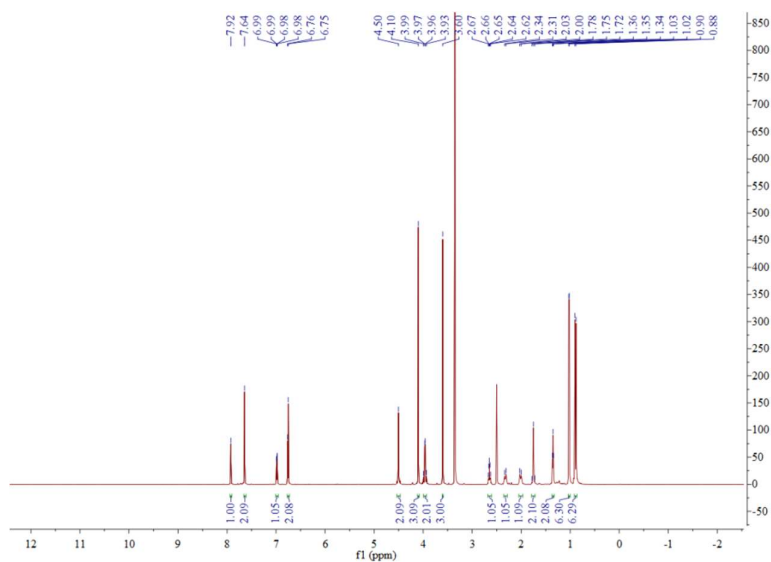
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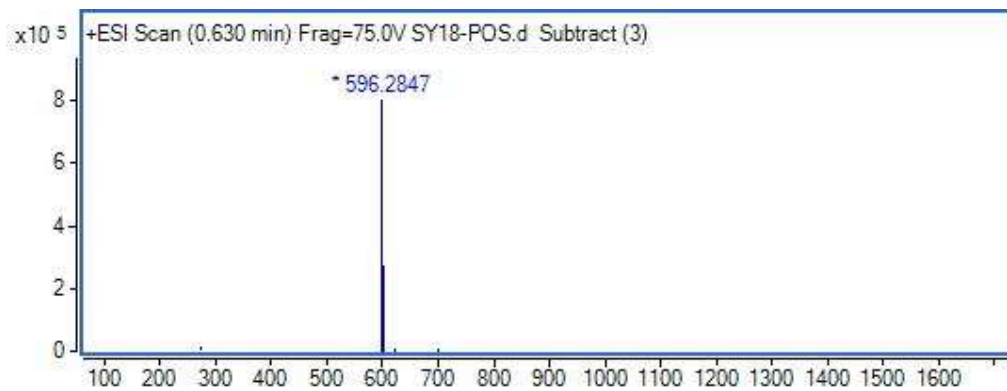


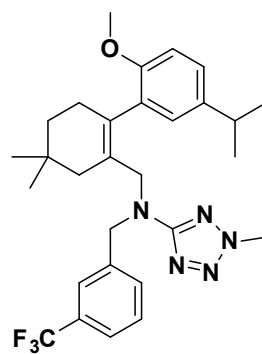




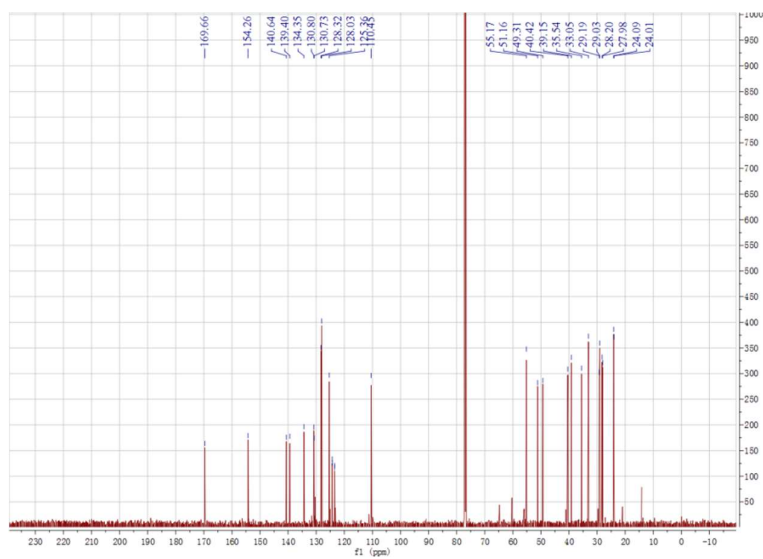
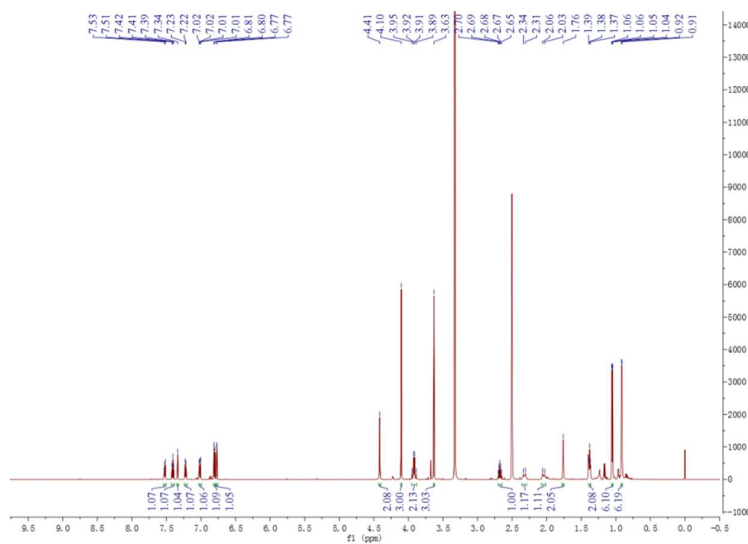
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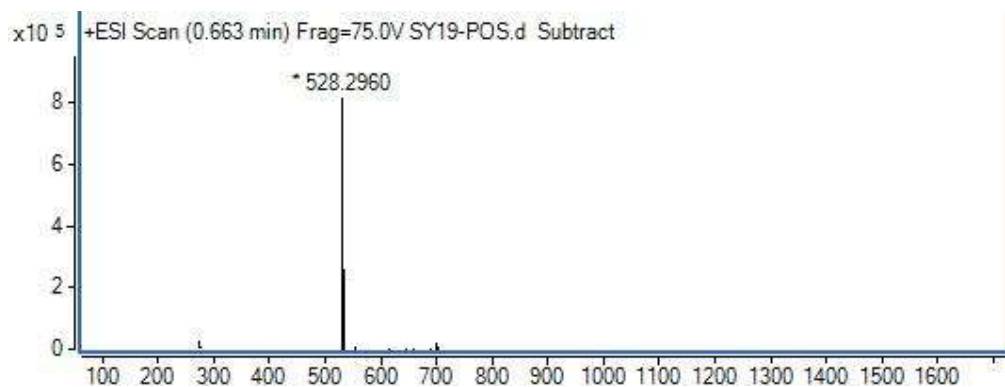


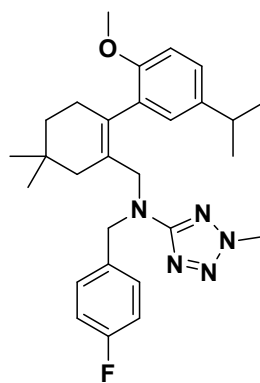




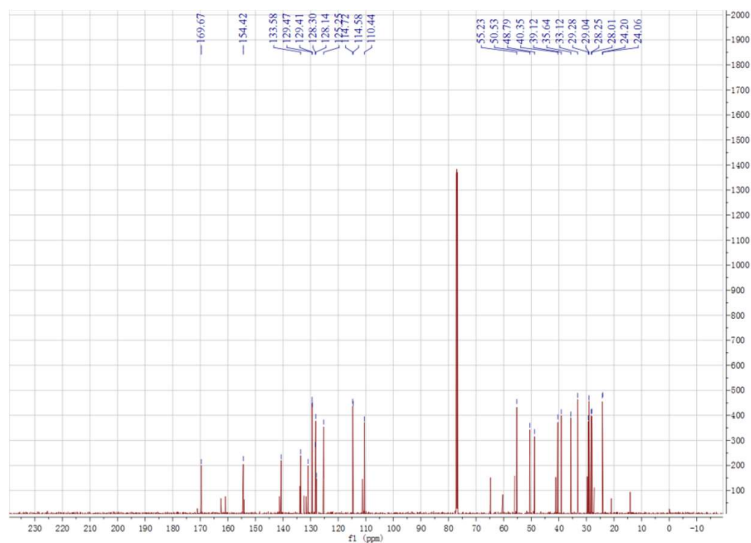
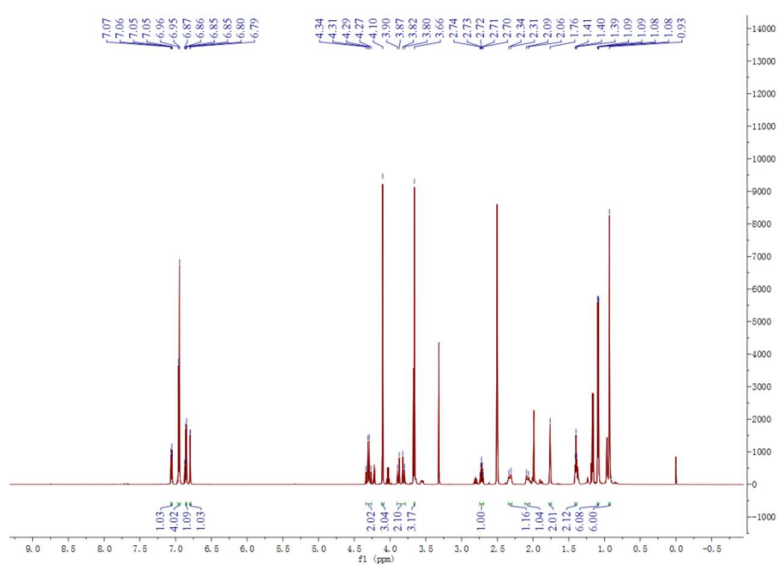
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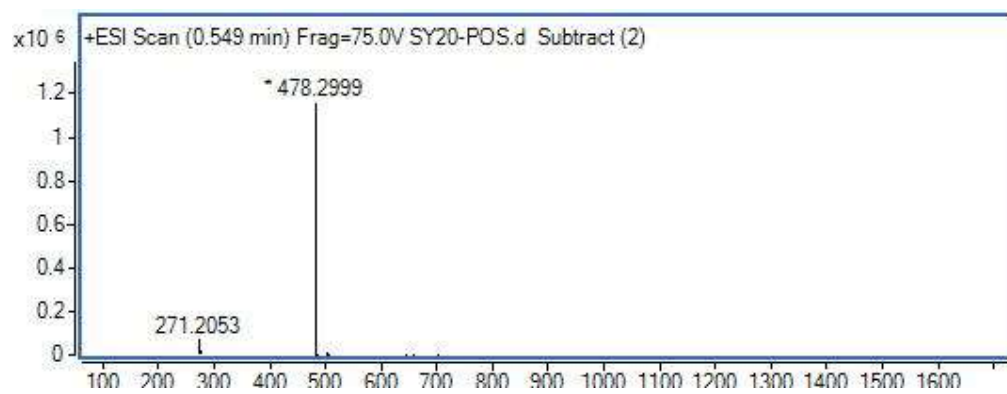


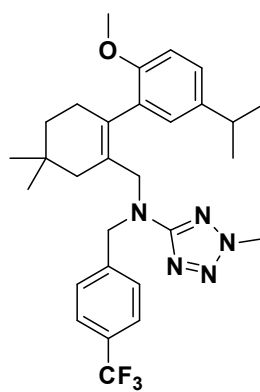


Compound 42

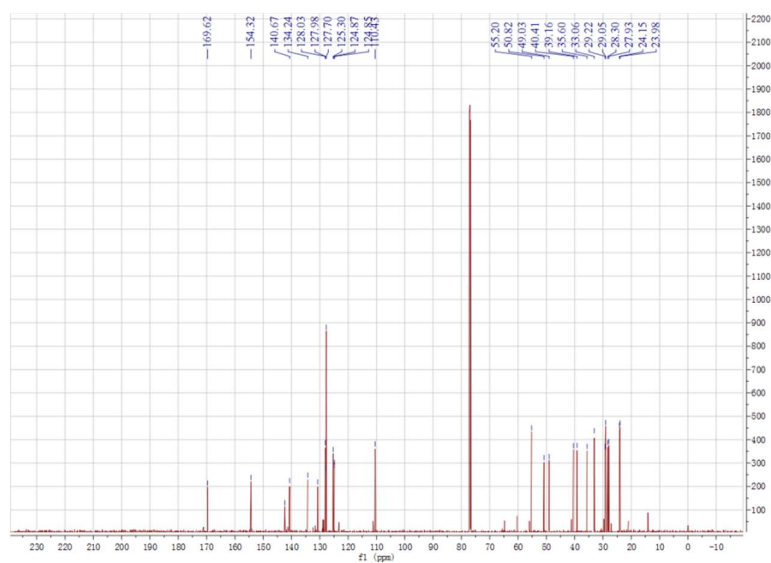
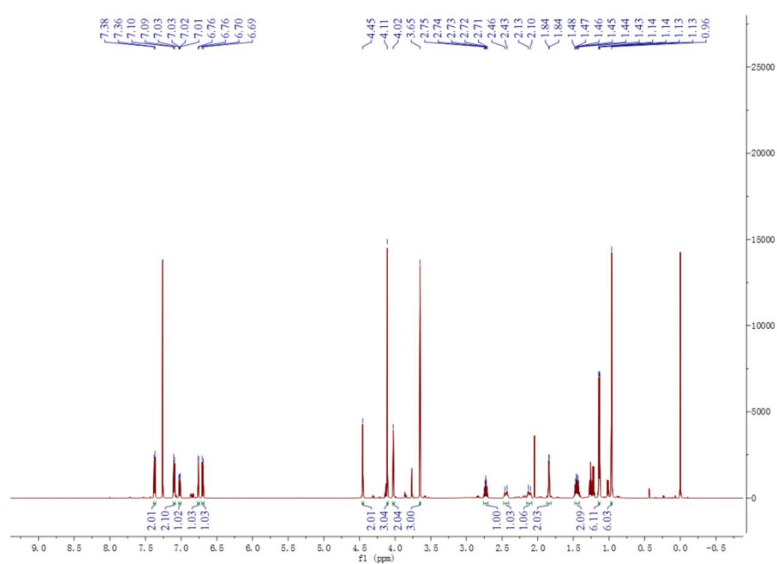


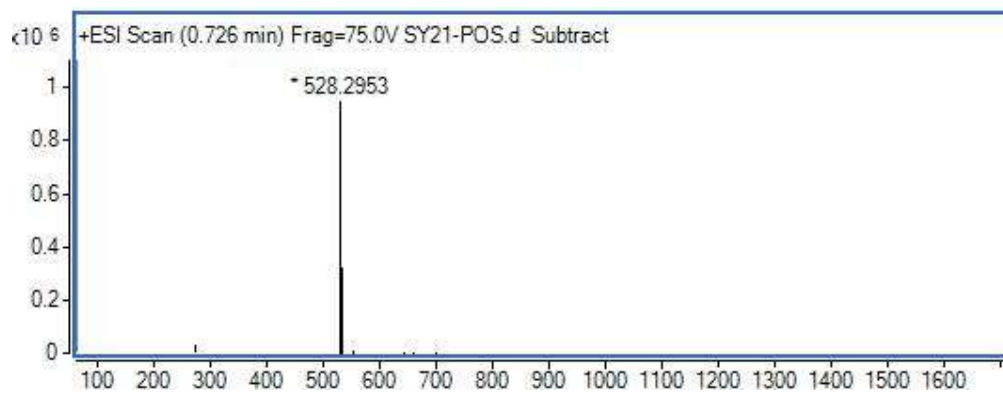


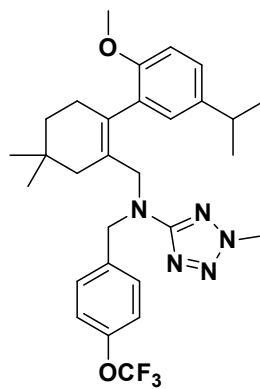




Compound 43







Compound 44

